

Surface Processes Test

April 8, 2016 9:00 AM

Ch 5, 6, 14, 15, 17, 19

50 mc — bring pencil

15 written

Sed rocks
mass wasting

Ch 6/19 — know chem sed rocks
— transgression / regression
— mass wasting ideas.

Ch 5 — Bowen's - why olivine is
W&E more easily chem. weathered?

Ch 6 — sed rock formation
(clastic / chem)

— sed rock features
(graded bedding, mud cracks,
etc)

M.C.

- how are sediments lithified
- ways to make hills not slide?

bolts on sloping layers
remove water
retaining walls
reduce slope

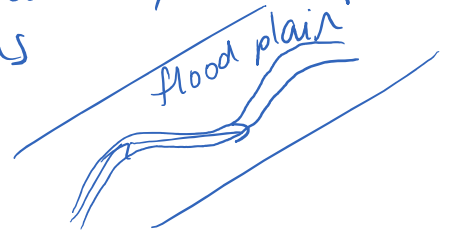
- calcite + halite are easily dissolved
- quartz most resistant

- erosion - wind, streams, glaciers

- weathering - chem (oxidation, rain) — warm, moist
— (hydration)

- erosion - ...
- weathering - chem (oxidation, rain) - warm, moist
 - mech/phys (ice wedging, exfoliation)
 - bio (plants + animals)

- types of sediments in each wind, stream, glacier
- glacial dep + erosional features (in diagram)
- stream features from diagram
 - V-shaped, braided, meander, flood plain, saltation (bouncing), loads



- clay is impermeable
- water table, perched
- mass wasting, landslides, creep (trees bent trunks), gravity causes, slump (rotation)
- permeability - fluid passes thru easily
- aquifer - high porosity, high permeability
- zone of saturation, top = water table
- confined aquifers
- most fresh water - ice
- talus cone - triangular pile at the base of a hillside



